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TOWNSEND and TOWNSEND and CREW LLP

By Michelle Crane

PATENT

Attorney Docket No. 17957-000110US

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	
DAVID A. RUDDY et al.	Examiner: Unknown
Application No.: 08/852,495	Art Unit:
Filed: May 5, 1997	INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98
For: POLYMORPHISMS IN THE REGION OF THE HUMAN HEMOCHROMATOSIS GENE	

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. A copy of each is enclosed.

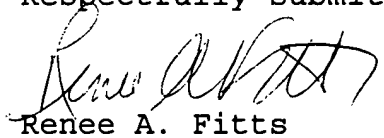
It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account

No. 20-1430. Please charge any additional fees or credit any overpayment to the above-noted Deposit Account.

Respectfully submitted,



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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Attorney Docket No. 17957-000110US	Serial No.: 08/852,495
	Applicant: DAVID A. RUDDY et al.	
	Filing Date: 5/5/97	Group:

Reference Designation **U.S. PATENT DOCUMENTS**

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
___ AA	4,511,503	04/16/85	Olson et al.	C07G	7/00	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
___ AB	WO 96/06583	03/07/96	WIPO	A61F	9/00	No
___ AC	WO 96/35802	11/14/96	WIPO	C12P	19/34	No

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___ AD	Abravaya, K. et al., "Detection of point mutations with a modified ligase chain reaction (Gap-LCR)," Nucl. Acids Res. 23(4):675-682 (1995)
___ AE	Adams, M.D. et al., "Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project," Science 252:1651-1656 (1991)
___ AF	Amadou, C. et al., "Localization of New Genes and Markers to the Distal Part of the Human Major Histocompatibility Complex (MHC) Region and Comparison with the Mouse: New Insights into the Evolution of Mammalian Genomes," Genomics 26:9-20 (1995)
___ AG	Anderson, J.R. et al., "Precipitating Autoantibodies in Sjögren's Disease," Lancet 2:456-460 (1961)
___ AH	Bacon, B.R., "Causes of Iron Overload," N. Engl. J. Med. 326(2):126-127 (1992)
___ AI	Barany, F., "Genetic disease detection and DNA amplification using cloned thermostable ligase," Proc. Natl. Acad. Sci. U.S.A. 88:189-193 (1991)
___ AJ	Balan, V. et al., "Screening for Hemochromatosis: A Cost-Effectiveness Study Based on 12,258 Patients," Gastroenterology 107:453-459 (1994)
___ AK	Barton, J.C. et al., "Hemochromatosis: The genetic disorder of the twenty-first century," Nature Medicine 2:394-395 (1996)
___ AL	Beaucage, S.L. et al., "Deoxynucleoside Phosphoarmidites-A New Class of Key Intermediates for Deoxypolynucleotide Synthesis," Tetrahedron Letters 22(20):1859-1862 (1981)
___ AM	Beggs, J.D., "Transformation of yeast by replicating hybrid plasmid," Nature 275:104-109 (1978)
___ AN	Benton, W.D. et al., "Screening λgt Recombinant Clones by Hybridization to Single Plaques in situ," Science 196:180-182 (1977)
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___ AW	Faham, M. et al., "A Novel In Vivo Method to Detect DNA Sequence Variation," Genome Res. 5:474-482 (1995)
___ AX	Fahy, E. et al., "Self-sustained Sequence Replication (3SR): An Isothermal Transcription-based Amplification System Alternative to PCR," PCR Methods Appl. 1:25-33 (1992)
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___ AZ	Finch, C.A., "Hemochromatosis—Treatment is Easy, Diagnosis Hard," West. J. Med. 153:323-325 (1990)
___ BA	Fischer, S.G. et al., "DNA fragments differing by single base-pair substitutions are separated in denaturing gradient gels: Correspondence with melting theory," Proc. Natl. Acad. Sci. U.S.A. 80:1579-1583 (1983)
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___ BG	Hinnen, A. et al., "Transformation of yeast," Proc. Natl. Acad. Sci. U.S.A. 75(4):1929-1933 (1978)
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___ BL	Kan, Y.W. et al., "Antenatal Diagnosis of Sickle-Cell Anaemia by D.N.A. Analysis of Amniotic-Fluid Cells," Lancet ii:910-912 (1978)
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___ BN	Levy-Lahad, E. et al., "Chandidate Gene for the Chromosome 1 Familian Alzheimer's Disease," Science 269:973-977 (1995)
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___ BS	Miller, M.M. et al., "Immunoglobulin variable-region-like domains of diverse sequence within the major hitocompatibility complex of the chicken," Proc. Natl. Acad. Sci. U.S.A. 88:4377-4381 (1991)
___ BT	Myers, R.M. et al., "Detection of Single Base-Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes," Science 230:1242-1246 (1985)
___ BU	Needham-VanDevanter, D.R. et al., "Characterization of an adduct between CC-1065 and a defined oligondeoxynucleotide duplex," Nucl. Acids. Res. 12:6159-6168 (1984)
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___ BX	Nikiforov, T.T., et al., "Genetic Bit Analysis: a solid phase method for typing single nucleotide polymorphisms," Nucl. Acids Res. 22(20):4167-4175 (1994)
___ BY	Orita, M. et al., "Rapid and Sensitive Detection of Point Mutations and DNA Polymorphisms Using the Polymerase Chain Reaction," Genomics 5:874-879 (1989)
___ BZ	Ørum, H. et al., "Single base pair mutation analysis by PNA directed PCR clamping," Nucl. Acid Res. 21(23):5332-5336 (1993)
___ CA	Pearson, J.D. et al., "High-Performance Anion-Exchange Cromatography of Oligonucleotides," J. Chromatography 255:137-149 (1983)
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___ CC	Phatak, P.D. et al., "Cost-effectiveness of Screening for Hereditary Hemochromatosis," Arch. Intern. Med. 154:769-776 (1994)
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___ CG	Saiki, R.K. et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," Science 239:487-491 (1988)
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___ CI	Schneider, I., "Cell lines derived from late embryonic stages of *Drosophila melanogaster*," J. Embryol. Exp. Morph. 27(2):353-365 (1972)
___ CJ	Simon, M. et al., "Association of HLA-A3 and HLA-B14 antigens with idiopathic haemochromatosis," Gut 17:3332-334 (1976)
___ CK	Simon, M. et al., "A Study of 609 HLA Haplotypes Marking for the Hemochromatosis Gene: (1) Mapping of the Gene near the HLA-A Locus and Characters Required to Define a Heterozygous Population and (2) Hypothesis Concerning the Underlying Cause of Hemochromatosis-HLA Association," Am. J. Hum. Genet. 41:89-105 (1987)
___ CL	Smith, T.F. et al., "Comparison of Biosequences," Adv. Appl. Math. 2:482-489 (1981)
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___ CN	Stone, C. et al., "Isolation of CA dinucleotide repeats close to D6S105; linkage disequilibrium with haemochromatosis," Hum. Mol. Genet. 3(11):2043-2046 (1994)
___ CO	Strathmann, M. et al., "Transposon-faciliated DNA sequencing," Proc. Natl. Acad. Sci. U.S.A. 88:1247-1250 (1991)
___ CP	Summers, K.M. et al., "HLA Determinants in an Australian Population of Hemochromatosis Patients and Their Families," Am. J. Hum. Genet. 45:41-48 (1989)
___ CQ	Syvänen, A.C. et al., "A Primer-Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E," Genomics 8:684-692 (1990)
___ CR	Taylor, M.R. et al., "Cloning and sequence analysis of human butyrophilin reveals a potential receptor function," Biochimica Biophysica Acta 1306:1-4 (1996)
___ CS	Thiede, C. et al., "Simple and sensitive detection of mutations in the ras proto-oncogenes using PNA-mediated PCR clamping," Nucl. Acids Res. 24(5):983-984 (1996)
___ CT	Vernet, C. et al., "Evolutionary Study of Multigenic Families Mapping Close to the Human MHC Class I Region," J. Mol. Evol. 37:600-612 (1993)
___ CU	Wagner, R. et al., "Mutation detection using immobilized mismatch binding protein (MutS)," Nucl. Acids Res. 23(19):3944-3948 (1995)
___ CV	Walker, G.T. et al., "Isothermal *in vitro* amplification of DNA by a restriction enzyme/DNA polymerase system," Proc. Natl. Acad. Sci. U.S.A. 89:392-396 (1992)
___ CW	Wallace, R.B. et al., "Hybridization of synthetic oligonucleotides to ϕχ174 DNA: the effect of single based-pair mismatch," Nucl. Acids Res. 6:3543-3557 (1978)
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___ CZ	Yanofsky, C. et al., "Repression is Relieved Before Attnuation in the *trp* Operon of *Escherichia coli* as Tryptophan Starvation Becomes Increasingly Severe," J. Bacteriol. 158(3):1018-1024 (1984)
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___ DB	Yu, C-E. et al., "Positional Cloning of the Werner's Syndrome Gene," Science 272:258-262 (1996)
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449.WP 4/95